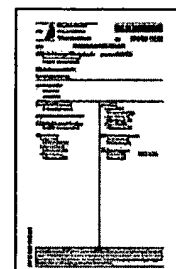


DELPHION**RESEARCH****PRODUCTS****INSIDE DELPHION**[Log Out](#)[Work Files](#)[Saved Searches](#)[My Account](#)Search: [Quick/Number](#) [Boolean](#) [Advanced](#) [Derwent](#)[Help](#)**The Delphion Integrated View**Get Now: ☒ PDF | [File History](#) | [Other choices](#)Tools: Add to Work File: [Create new Work File](#) ☒ [Add](#)View: [Expand Details](#) | [INPADOC](#) | Jump to: [Top](#) ☒ Go to: [Derwent](#)☒ [Email this to a friend](#)Title: **EP0741112B1: Water aerator**[\[German\]](#)[\[French\]](#)Derwent Title: Water aerator slotted rubber membrane has hook-shaped edge - gripping rigid base plate to facilitate easy insertion and removal of the baseplate for cleaning and maintenance [\[Derwent Record\]](#)

Country: EP European Patent Office (EPO)

Kind: B1 Patent (See also: [EP0741112A2](#), [EP0741112A3](#))Inventor: **Jäger, Arnold;**
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Jäger, Sebastian;Assignee: **Jäger, Arnold**
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[News, Profiles, Stocks and More about this company](#)Published / Filed: **2000-03-01 / 1996-04-27**Application Number: **EP1996000106714**IPC Code: Advanced: **B01F 3/04; C02F 3/20;**
Core: [more...](#)
IPC-7: **C02F 3/20;**ECLA Code: **B01F3/04C1B2L; C02F3/20F;**Priority Number: 1995-05-04 **DE1995029507293U**Abstract: [From equivalent [EP0741112A2](#)] Water aerator slotted rubber membrane has hook-shaped edge A water aerator discharge head with a rigid baseplate (1) is approximately horizontal during operation and has a flat upper face incorporating one or more air passages. The rigid plate (1) is covered by a rubber membrane (5) incorporating numerous fine slits, and which is held in place at the periphery. Air passes between the rigid plate and rubber membrane thereby enlarging and emerging through the slits. The novelty is that the rubber membrane (5) thickened edge (8) is hook-shaped and completely surrounds the rigid baseplate (1) angled edge. The hook section rubber edge is much thicker in the lower section, than in the slotted membrane section.Attorney, Agent or Firm: **Depmeyer, Lothar ;**INPADOC [Show legal status actions](#)Get Now: [Family Legal Status Report](#)Legal Status: Designated **AT BE DE DK FR GB IT NL**Country: Family: [Show 9 known family members](#)[High Resolution](#)[Low Resolution](#)**6 pages**

First Claim:

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1. Water aerator, having a rigid retaining plate (1), which is disposed substantially horizontally when in the operative position, has a substantially flat upper surface and includes at least one opening, and said aerator having a resilient plate (5), which is formed from rubber or the like, is disposed on the retaining plate (1), is sealingly mounted by its edge on a downwardly bent edge (3) of the retaining plate (1) and is provided with a plurality of fine slits (7), the air being introducible between the retaining plate (1) and the resilient plate (5) and widening the slits (7), and the edge (8) of the resilient plate (5) circumferential the downwardly bent edge (3) of the retaining plate (1) in a hook-like manner, characterised in that a rigid ring (19) is mounted on the underside of the retaining plate (1) preferably by means of screws (20), and said ring damps the hook-like edge (8) or parts (26) thereof between it and the main plate (1).
[German] [French]


Description

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Die Erfindung betrifft einen Wasserbelüfter mit einer steifen Halteplatte, die in der Betriebsstellung im wesentlichen waagrecht angeordnet ist, an ihrer Oberseite praktisch eben ist und die mindestens eine Durchbrechung aufweist, und mit einer elastischen Platte aus Gummi od. dgl., die auf der Halteplatte angeordnet, mit ihrem Rand dichtend an dem nach unten abgewinkelten Rand der Halteplatte befestigt und mit einer Vielzahl feiner Schlitz versehen ist, wobei die Luft zwischen der Halteplatte und der elastischen Platte einleitbar ist und die Schlitz aufweitet, und wobei der Rand der elastischen Platte den nach unten abgewinkelten Rand der Halteplatte hakenartig umschließt.

Forward
References:

Go to Result Set: Forward references (1)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6406005	2002-06-18	Lawson; Thomas Urie	Aquatec-Maxcon Pty Ltd	Diffuser for aerating a fluid

Other Abstract
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